

**AMENDMENT TO THE CLAIMS:**

1. (Currently Amended) A downhole system for locating and fixing equipment at a required depth and orientation within a wellbore, the system comprising a portion of well bore casing having an inner surface in which a latch profile is defined; and downhole apparatus comprising a latch sub for locating equipment secured thereto at a required depth and orientation, and an anchor packer ~~secured to said latch sub~~ for releasably fixing the depth and orientation of said latch sub relative to a well bore, said equipment being secured to the latch sub by means of a first connection between said equipment and the anchor packer and a second connection between the anchor packer and the latch sub, wherein the first and second connections prevent relative movement between the connected components, the latch sub comprising a body and a latching member mounted on said body so as to be movable between a retracted position and an extended position, the latching member projecting a greater radial distance from said body when in the extended position than when in the retracted position, wherein the latching member is adapted to project into said latch profile provided in said portion of well bore casing when in the extended position during use and wherein a first portion of said latch profile is adapted to be engaged by the latching member in such a way that, when pressed against said profile portion, the latching member tends to slide along a well bore casing edge defining said profile portion so as to locate the latching member in abutment with a second profile portion and thereby prevent further movement of the latch sub in the direction of pressing, the latching member being further adapted to engage a third portion of said profile in such a way that, when pressed against said third profile portion, the latching member is moved towards the retracted position so as to permit movement of the downhole apparatus past said latch profile.

2. (Original) A downhole system as claimed in claim 1, wherein a downhole portion of said latch profile is of a V-shape.

3. (Original) A downhole system as claimed in claim 1 or 2, wherein said anchor packer is a weight set anchor packer.

4. (Currently Amended) A method of positioning downhole equipment within a well bore, the method comprising the steps of providing a latch profile in the wall of the well bore or well bore casing; determining the position and orientation of said latch profile; making up a string comprising an anchor packer, a latch sub and equipment to be positioned within the well bore, said equipment secured to the latch sub by means of a first connection between said equipment and the anchor packer and a second connection between the anchor packer and the latch sub, wherein the first and second connections prevent relative movement between the connected components, being fixed relative to a the latch sub comprising a latch member for locating in said latch profile and said equipment being positioned and orientated relative to the latch member in view of said determination so as to ensure a desired position and orientation of said equipment is achieved in the well bore when the latch member is located in said latch profile; running the string downhole; locating the latch member in said latch profile; sliding the latch member along an edge of said latch profile until a portion of said latch profile stops said sliding movement; and setting said anchor packer.

Please add new claim 5 as follows:

5. (New) A downhole system as claimed in claim 1, wherein the anchor packer is located between the latch sub and said equipment.